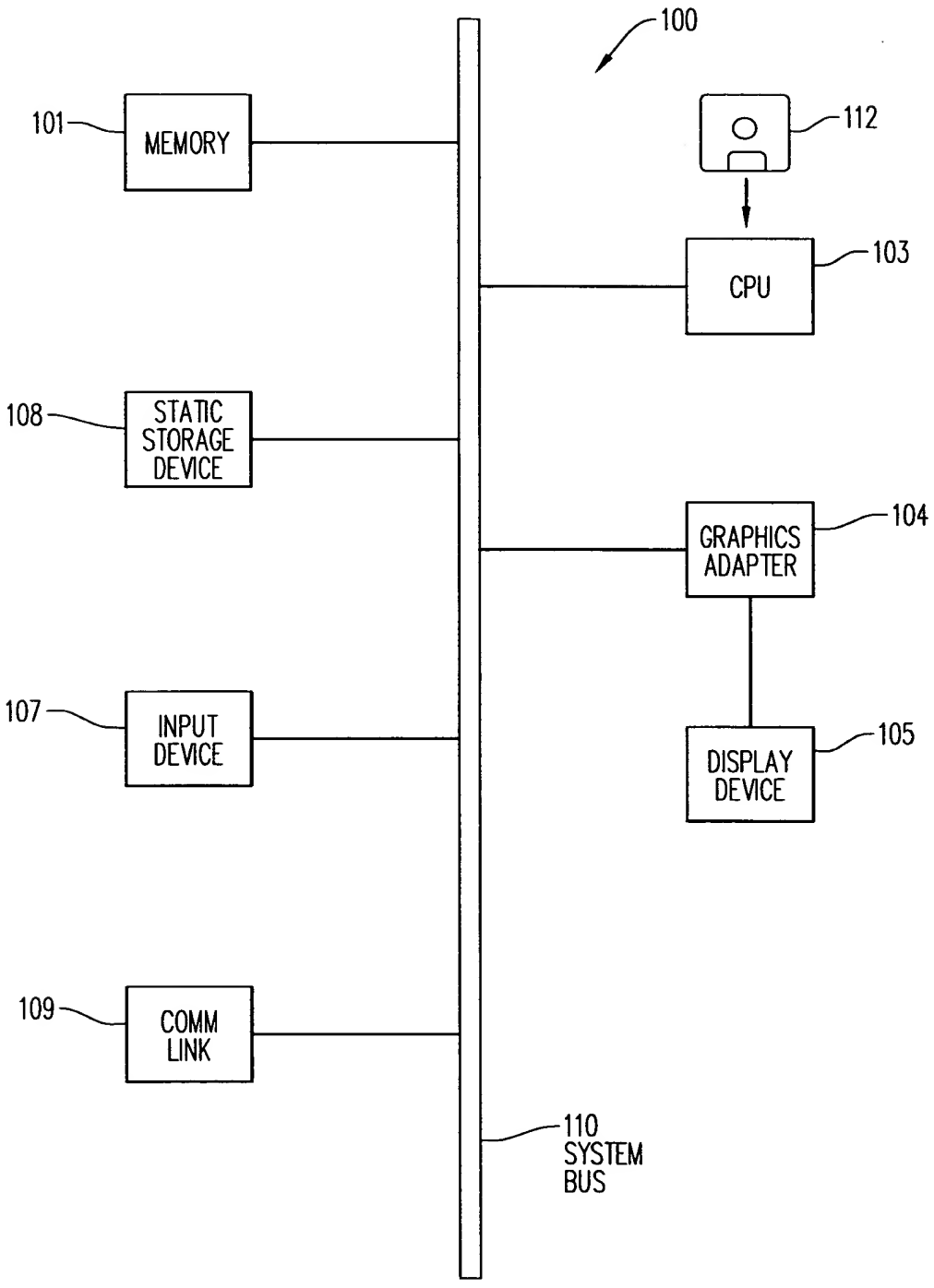
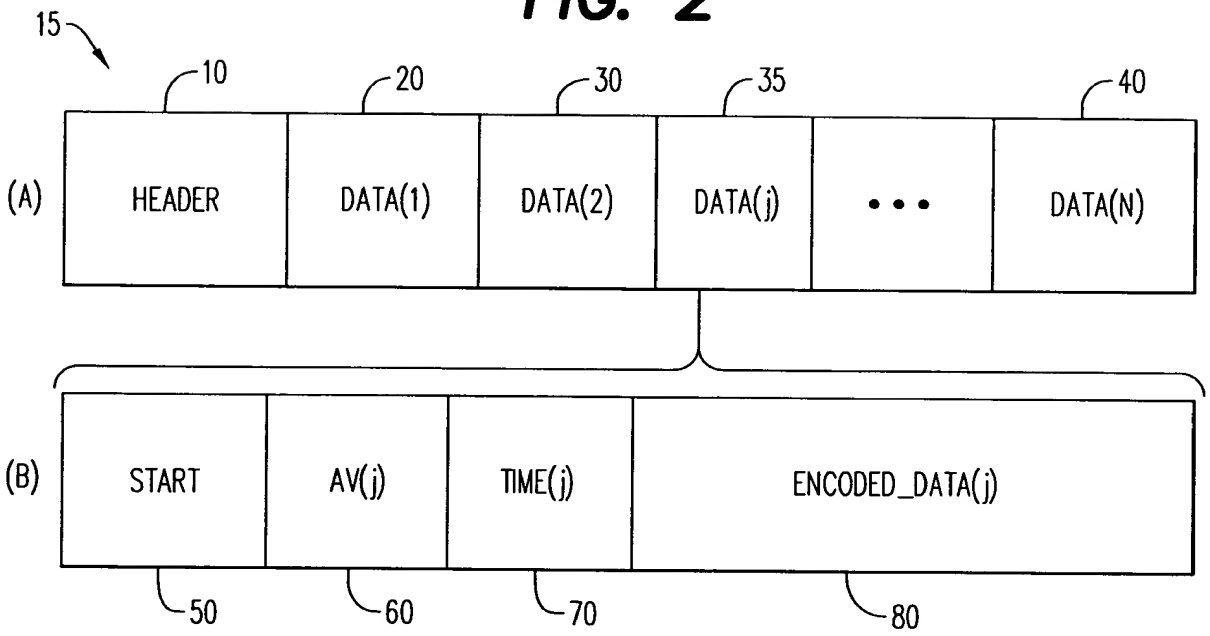

100
101
MEMORY
112
CPU
103
108
STATIC STORAGE DEVICE
GRAPHICS ADAPTER
104
107
INPUT DEVICE
DISPLAY DEVICE
105
109
COMM LINK
110
SYSTEM BUS

FIG. 1

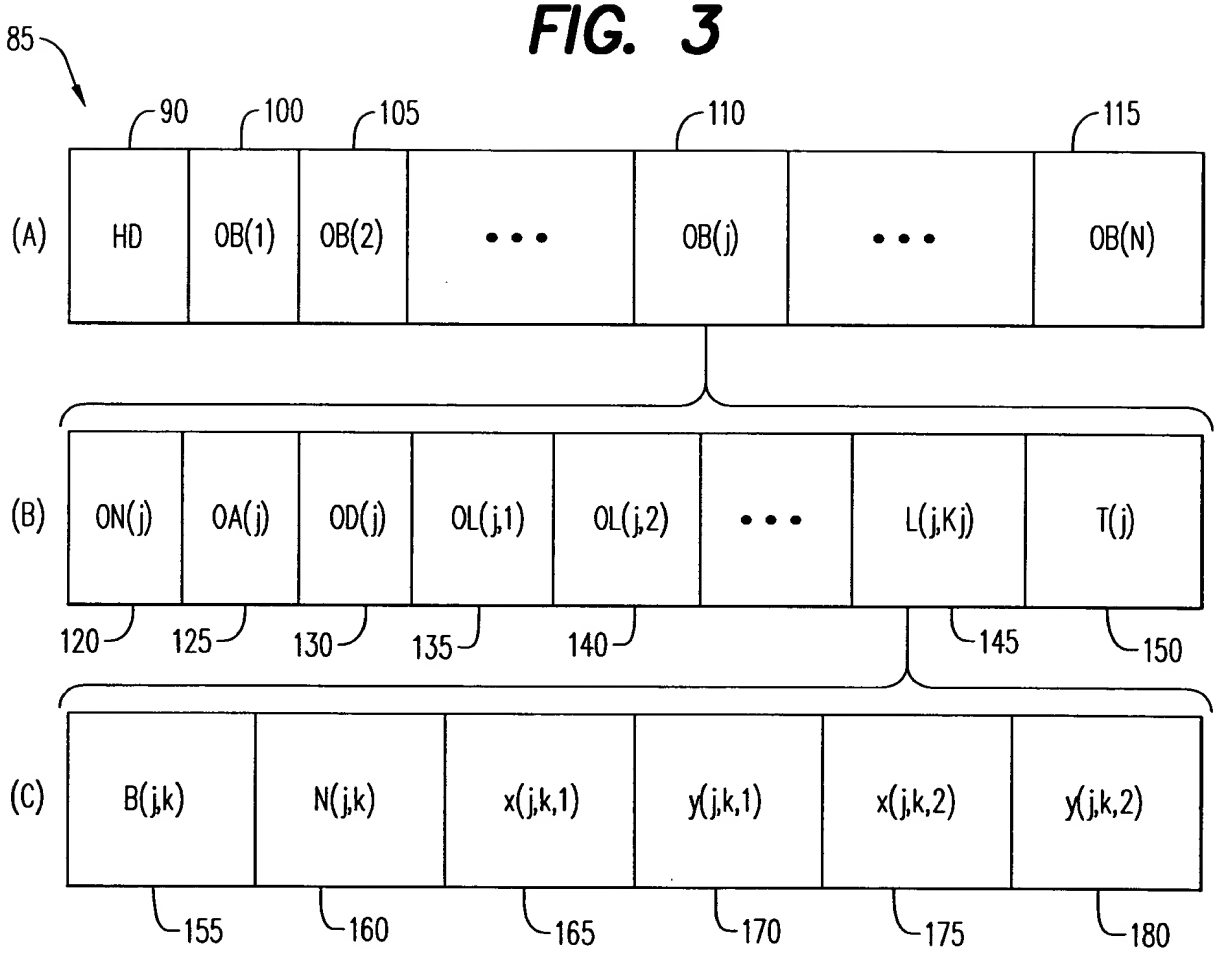
FIG. 2



(A) MPEG FORMATTED VIDEO FILE

(B) MPEG FORMATTED DATA FILE

FIG. 3



(A) STRUCTURE FOR ENCIODED HYPERLINK DATA FILE

(B) STRUCTURE FOR OBJECT OB(j)

(C) STRUCTURE FOR IDENTIFIERS L(j,k)

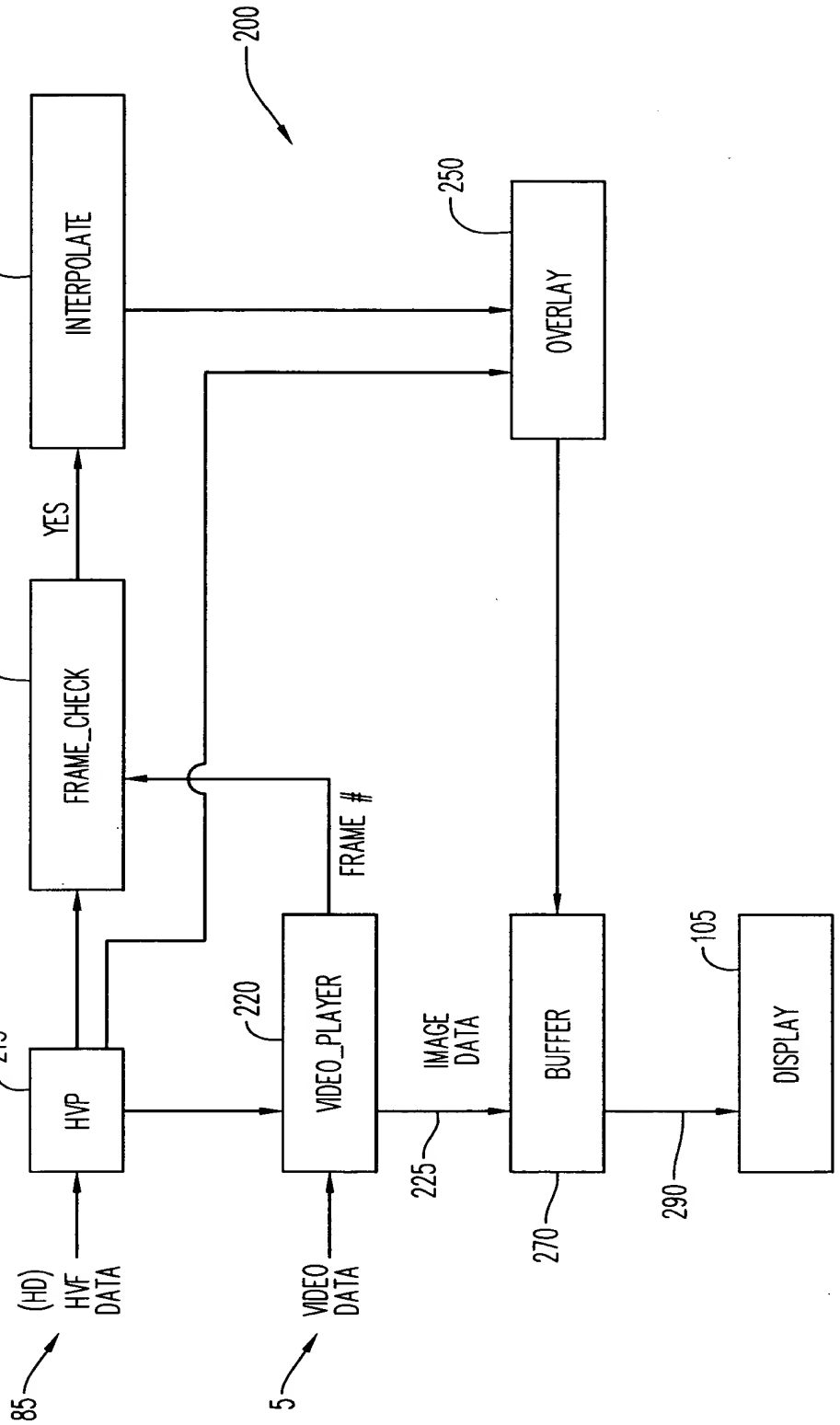

200
240
INTERPOLATE
250
OVERLAY
YES
230
FRAME_CHECK
FRAME #
215
HVP
220
VIDEO_PLAYER
IMAGE DATA
BUFFER
105
DISPLAY
225
270
290
(HD) HVF DATA
VIDEO DATA
85
5

FIG. 4

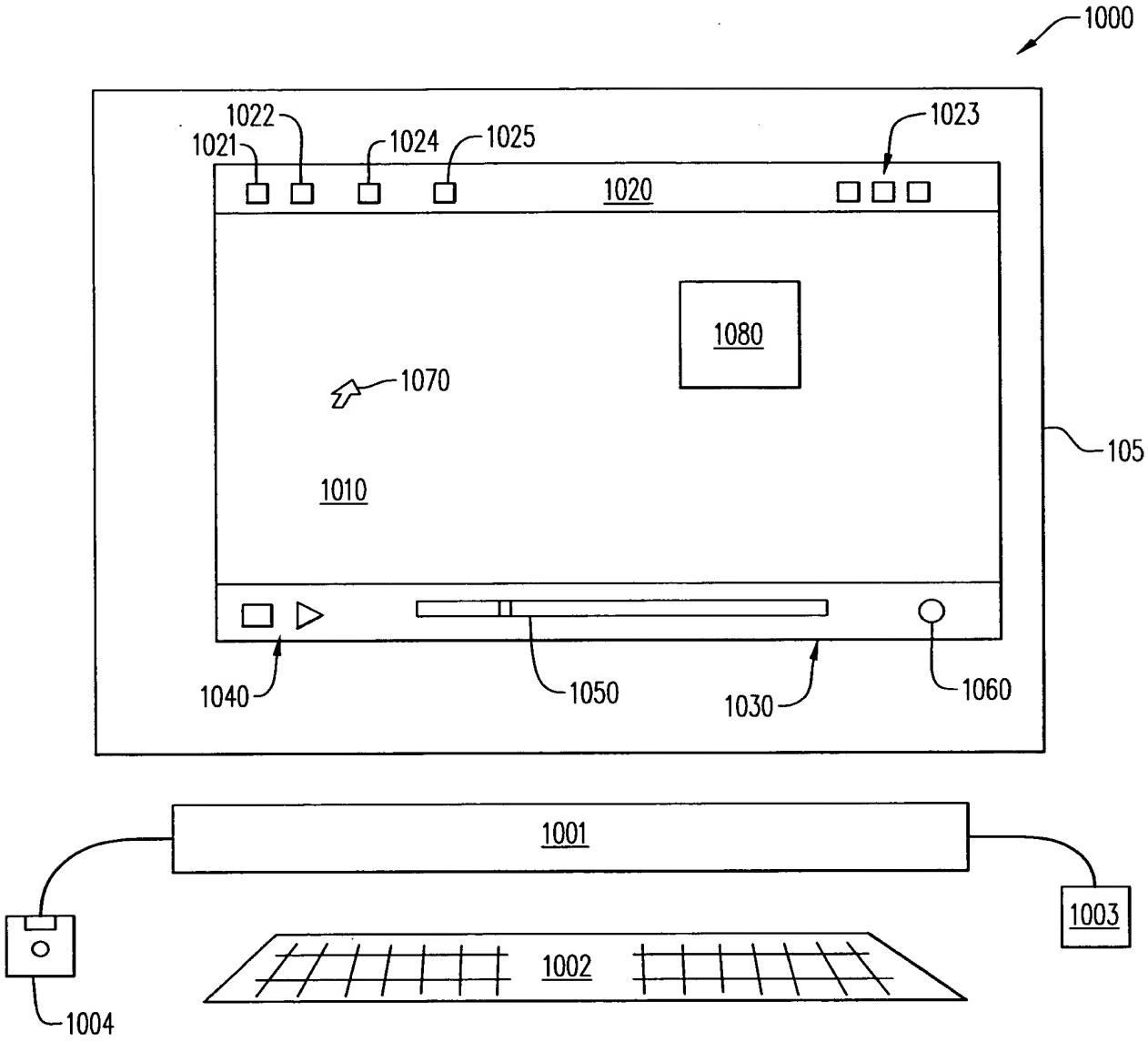

1000
1022
1021
1024
1025
1023
1020
1080
1070
1010
105
1040
1050
1030
1060
1001
1003
1002
1004

FIG. 5

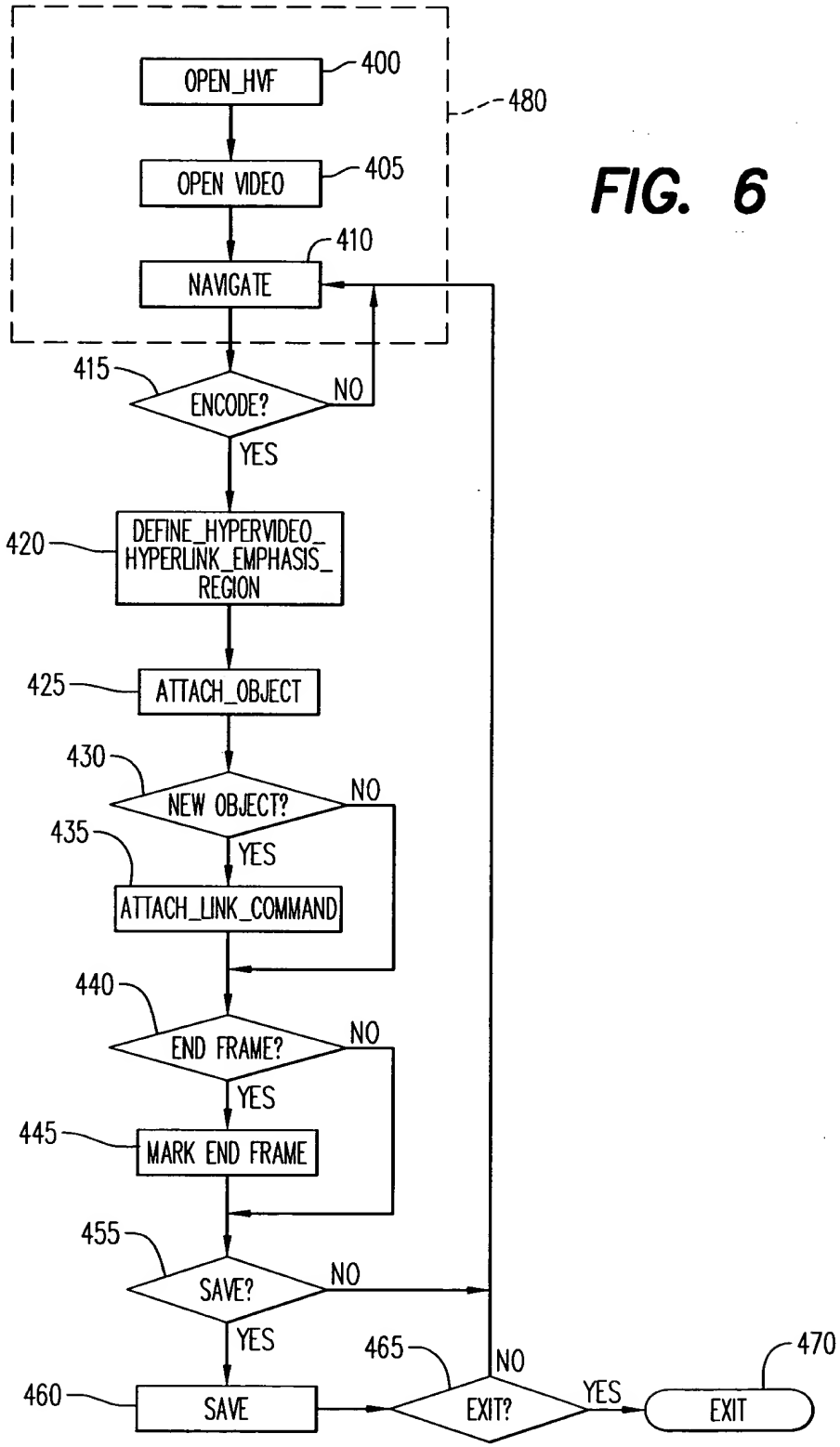

OPEN_HVF
400
480
OPEN VIDEO
405
NAVIGATE
410
415
ENCODE?
NO
YES
420
DEFINE_HYPERVIDEO_
HYPERLINK_EMPHASIS_
REGION
425
ATTACH_OBJECT
430
NEW OBJECT?
NO
435
YES
ATTACH_LINK_COMMAND
440
END FRAME?
NO
YES
445
MARK END FRAME
455
SAVE?
NO
YES
465
NO
470
460
SAVE
EXIT?
YES
EXIT

FIG. 6

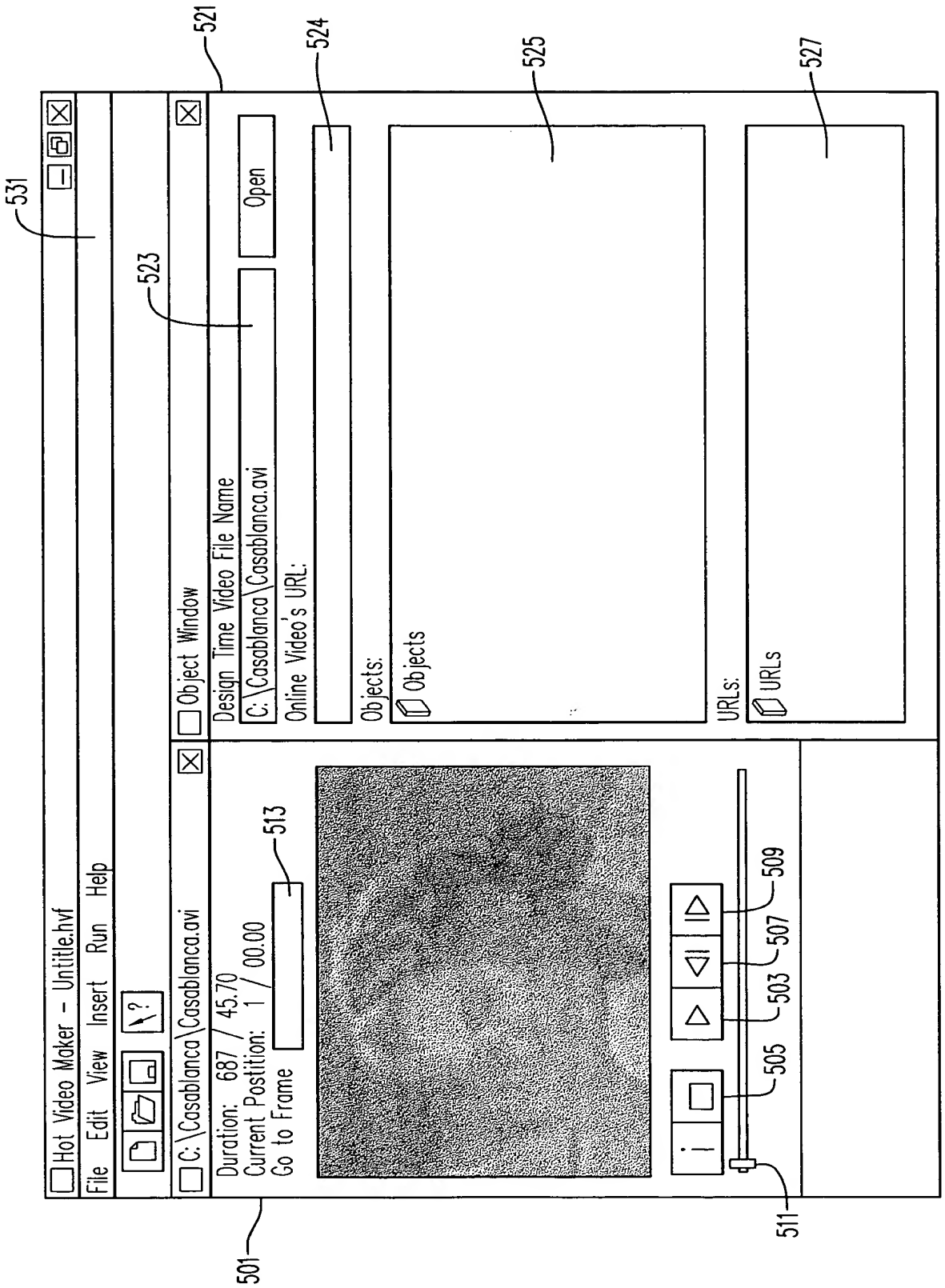

Hot Video Maker - Untitle.hvf
File Edit View Insert Run Help
C:\Casablanca\Casablanca.avi
Duration: 687 / 45.70
Current Position: 1 / 00.00
Go to Frame
Object Window
Design Time Video File Name
C:\Casablanca\Casablanca.avi
Open
Online Video's URL:
Objects:
Objects
URLs:
URLs
501
503
505
507
509
511
513
521
523
524
525
527
531

FIG. 7

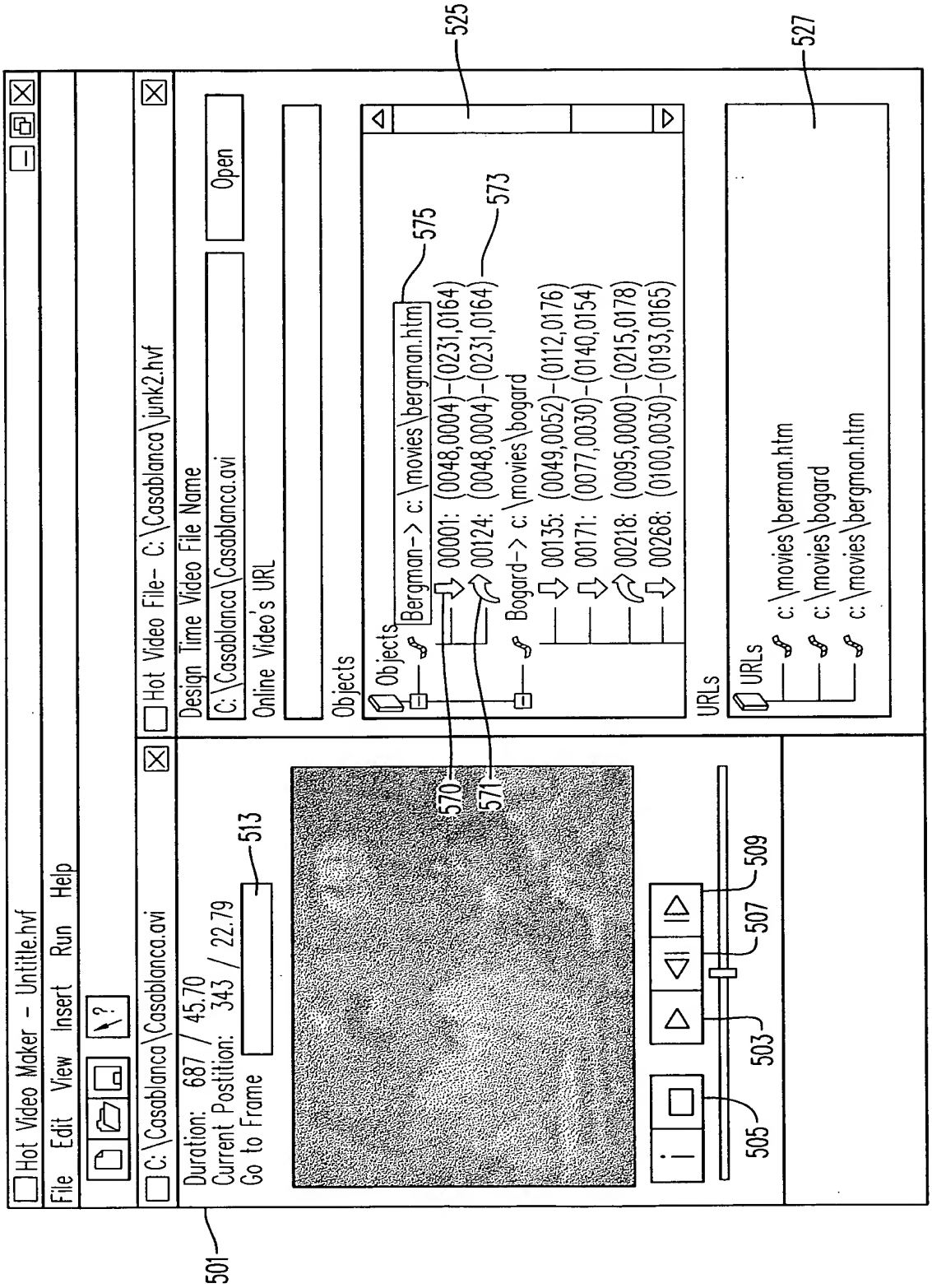

Hot Video Maker - Untitle.hvf
File Edit View Insert Run Help
C:\Casablanca\Casablanca.avi
Duration: 687 / 45.70
Current Position: 343 / 22.79
Go to Frame
513
Hot Video File- C:\Casablanca\junk2.hvf
Design Time Video File Name
C:\Casablanca\Casablanca.avi
Online Video's URL
Open
Objects
Bergman-> c:\movies\bergman.htm
00001: (0048,0004)-(0231,0164)
00124: (0048,0004)-(0231,0164)
Bogard-> c:\movies\bogard
00135: (0049,0052)-(0112,0176)
00171: (0077,0030)-(0140,0154)
00218: (0095,0000)-(0215,0178)
00268: (0100,0030)-(0193,0165)
URLs
c:\movies\berman.htm
c:\movies\bogard
c:\movies\bergman.htm
501
503
505
507
509
570
571
573
575
525
527

FIG. 8

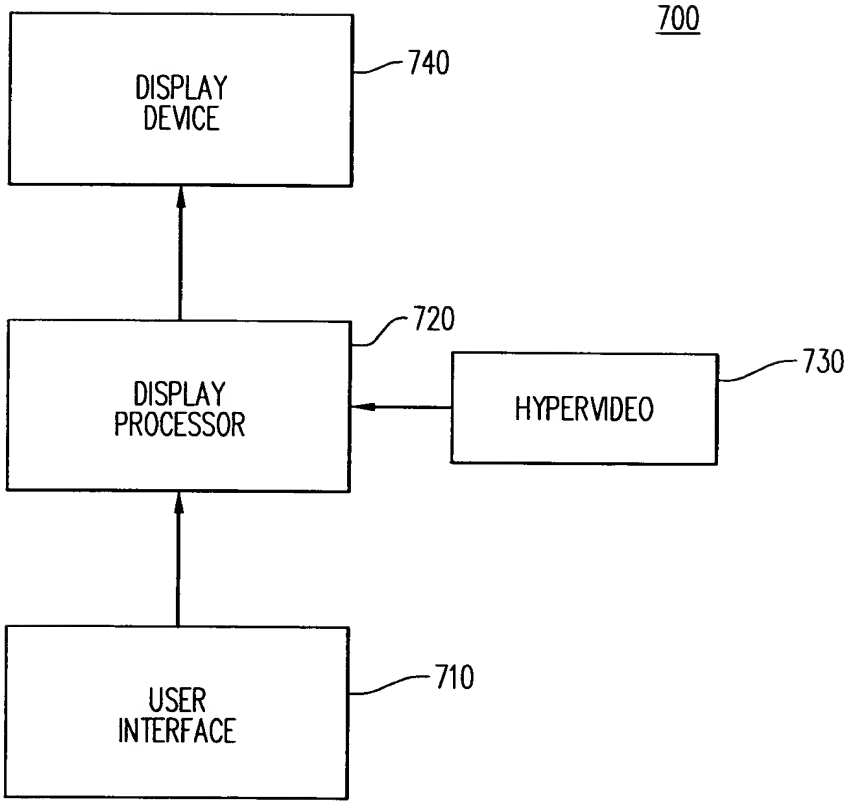

700
DISPLAY DEVICE
740
DISPLAY PROCESSOR
720
HYPERVIDEO
730
USER INTERFACE
710

FIG. 9